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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application ) PATENT APPLICATION  
Inventor(s): Tad Hogg )  
SC/Serial No.: Unknown )  
Filed: Herewith )  
Title: METHODS AND APPARATUSES FOR )  
MEASURING DIVERSITY IN COMBINATORIAL )  
STRUCTURES )



**CERTIFICATE OF MAILING BY "EXPRESS MAIL"  
UNDER 37 C.F.R. §1.10**

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(Signature)

Adam B. Toups  
Signature Date: July 23, 1999

**UTILITY PATENT APPLICATION TRANSMITTAL LETTER UNDER 37 C.F.R. §1.53(b)**

Box **PATENT APPLICATION**  
Assistant Commissioner for Patents  
Washington, DC 20231

Sir:

Transmitted herewith for filing is the patent application identified as follows:

Inventor(s): Tad Hogg

Title: METHODS AND APPARATUSES FOR MEASURING DIVERSITY IN  
COMBINATORIAL STRUCTURES

No. of pages in Specification: 28; No. of Claims: 27.

No. of Sheets of Drawings: 11; Formal:   , Informal: X.

Also enclosed are:

- A Declaration.
- An Assignment and Recordation Form Cover Sheet.
- A certified copy of a priority application.
- A Power of Attorney.
- A Statement Claiming Small Entity Status.
- An Information Disclosure Statement under 37 C.F.R. §1.56.

The filing fee pursuant to 37 C.F.R. §1.16 is determined as follows:

No. Filed	No. Extra	Rate Small Entity/ Other Than Small Entity		
Basic Fee		\$380.00 \$760.00	=	\$760.00
Total Claims <u>27</u> - 20 = <u>7</u> *	X	\$ 9.00 \$ 18.00	=	\$126.00
Independent Claims <u>3</u> - 3 = <u>0</u> *	X	\$ 39.00 \$ 78.00	=	\$0
First Presentation of Multiple Dependent Claim(s) <u>  </u>		\$130.00 \$260.00	=	\$
Total			=	\$886.00

\*If the difference is less than zero, enter "0".

- Please charge Deposit Account No. 06-1325 in the amount of \$      . A duplicate copy of this authorization is enclosed.
- X A check in the amount of \$ 886.00 to cover the filing fee is enclosed.

X The Commissioner is hereby authorized to charge underpayment of any additional fees (including those listed below) or credit any overpayment associated with this communication to Deposit Account No. 06-1325. A duplicate copy of this authorization is enclosed.

X Any additional filing fees under 37 C.F.R. §1.16.

X Any patent application processing fees under 37 C.F.R. §1.17.

This application is filed pursuant to 37 C.F.R. §1.53(b) in the name of the above-identified Inventor(s).

— This application claims priority to an earlier-filed Provisional patent application, as set forth more fully in this application.

Please direct all correspondence concerning the above-identified application to the following address:

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Respectfully submitted,

Date: JULY 23, 1999

By: Slade E. Smith  
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